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NOTICE OF ALLOWANCE AND FEE(S) DUE

22878

7590 AGILENT TECHNOLOGIES INC.

05/08/2008

EXAMINER

NOGUEROLA, ALEXANDER STEPHAN

PAPER NUMBER

INTELLECTUAL PROPERTY ADMINISTRATION, LEGAL DEPT.

MS BLDG, E P.O. BOX 7599 LOVELAND, CO 80537

1795

DATE MAILED: 05/08/2008

ART UNIT

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/727,840 | 12/03/2003 | Seiji Inaoka | 10030737-1 | 7415 |

TITLE OF INVENTION: ELECTROCHEMICAL SIGNAL AMPLIFICATION BY REPETITIVE ACTIVATION OF SURFACE NUCLEATION POINTS

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1440 | \$300 | \$0 | \$1740 | 08/08/2008 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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| indicated unless correcte maintenance fee notifica | ed below or directed oth tions. | herwise in Block 1, by (a | | _ | | | correspondence address as rate "FEE ADDRESS" for | |
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| INTELLECTUA MS BLDG. E P. | .O. BOX 7599 | NC. MINISTRATION,L | EGAL DEPT. I h Sta add trai | ereby certify that thes Postal Service y | nis Fee(| s) Transmittal is being | deposited with the United t class mail in an envelope above, or being facsimile the indicated below. | |
| LOVELAND, C | O 80537 | | | | | | (Depositor's name) | |
| | | | | | | | (Signature) | |
| | | | | | | | (Date) | |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | ₹ | ATTO | RNEY DOCKET NO. | CONFIRMATION NO. | |
| 10/727,840 | 12/03/2003 | - | Seiji Inaoka | | | 10030737-1 | 7415 | |
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| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSU | | TOTAL FEE(S) DUE | DATE DUE | |
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| EXAM | | ART UNIT | CLASS-SUBCLASS | J | | | | |
| | XANDER STEPHAN | 1795 | 204-403010 | | | | | |
| 1. Change of correspond CFR 1.363). | | ` | 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys | | | | | |
| Change of corresp Address form PTO/SI | ondence address (or Cha B/122) attached. | ange of Correspondence | or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to | | | | | |
| ☐ "Fee Address" ind | lication (or "Fee Address | " Indication form | | | | | | |
| PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | | | | | | |
| | | | THE PATENT (print or ty | • | | | | |
| PLEASE NOTE: Uni recordation as set fort | less an assignee is ident h in 37 CFR 3.11. Com | ified below, no assignee pletion of this form is NO | data will appear on the p T a substitute for filing an | oatent. If an assigr assignment. | nee is i | dentified below, the de | ocument has been filed for | |
| (A) NAME OF ASSI | GNEE | | (B) RESIDENCE: (CIT | Y and STATE OR (| COUN | ΓRY) | | |
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| Please check the appropr | riate assignee category or | categories (will not be pr | cinted on the patent): | Individual D.C | ornorat | ion or other private gro | oup entity 🔲 Government | |
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| 4a. The following fee(s) Issue Fee | are submitted: | 41 | Payment of Fee(s): (Ple A check is enclosed. | ase first reapply a | ny pre | viously paid issue fee | shown above) | |
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| 5. Change in Entity Sta | tus (from status indicate | d above) | 13 / 1 | | | | , | |
| • • | s SMALL ENTITY statt | | b. Applicant is no lo | | | | | |
| NOTE: The Issue Fee an interest as shown by the | d Publication Fee (if req records of the United Sta | uired) will not be accepte ites Patent and Trademark | d from anyone other than Office. | the applicant; a reg | istered | attorney or agent; or th | e assignee or other party in | |
| Authorized Signature | | | | Data | | | | |
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| an application. Confiden submitting the complete this form and/or suggest | tiality is governed by 35 dapplication form to the ions for reducing this bu. Virginia 22313-1450. DC | U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th | 1.14. This collection is estable depending upon the indice Chief Information Office | timated to take 12 vidual case. Any co er. U.S. Patent and | minute ommen Trader | s to complete, including ts on the amount of tire mark Office, U.S. Dena | I by the USPTO to process) g gathering, preparing, and ne you require to complete attent of Commerce, P.O. for Patents, P.O. Box 1450, | |

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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| AGILENT TECH | INOLOGIES INC. | NOGUEROLA, ALEXANDER STEPHAN | | |
| | PROPERTY ADMINI | ART UNIT | PAPER NUMBER | |
| MS BLDG. E P.O. LOVELAND. CO | | 1795 | | |
| LUVELAND, CO | 8U337 | DATE MAILED: 05/09/2009 | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 922 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 922 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| Application No. | Applicant(s) |
|--|--|
| 10/727 840 | INAOKA, SEIJI |
| Examiner | Art Unit |
| ALEX NOGUEROLA | 1795 |
| ears on the cover sheet with t | correspondence address |
| <u>t)</u> . | |
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| e been received. be been received in Application No cuments have been received in this of this communication to file a reply IENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declar of the submitted. son's Patent Drawing Review (PTO) s Amendment / Comment or in the comment of the draw the header according to 37 CFR 1.121 sit of BIOLOGICAL MATERIAL FOR THE DEPOSIT OF BIOLOGICAL | complying with the requirements R'S AMENDMENT or NOTICE OF ration is deficient. 0-948) attached Office action of ings in the front (not the back) of (d). must be submitted. Note the |
| 5. Notice of Informal I 6. Interview Summary Paper No./Mail Da 7. Examiner's Amend 8. Examiner's Statem 9. Other | y (PTO-413), ate |
| | Examiner ALEX NOGUEROLA Pars on the cover sheet with the composition of the appropriate communication of the process of the subject and MPEP 1308. Ader 35 U.S.C. § 119(a)-(d) or (f). Ader 35 U |

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Art Unit: 1700

DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-33 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:
 - a) the allowability of claims 1-27 has been addressed in the office action of October 31, 2007;
 - b) independent Claim 28 has been amended to require "a supply of image nanoparticles; and a supply of target nanoparticles." Upon reconsideration the Examiner has decided that Cai does not disclose a source of image nanoparticles, but a source of image ions (see silver enhancer solutions 2.2 Chemicals on page 166; Figure 1; 2.3.4 Silver enhancement of gold nanoparticles on page 168; and 3.2 Silver-enhanced gold nanoparticle DNA probes for sequence-specific DNA detection on pages 168 169). Applicant has defined "nanoparticle" and "image nanoparticle" in his specification:

[0022]

A "nanoparticle" as used herein refers to a solid particle typically having a spherical or similar shape with a dimension between about 1 nanometer and about 1000 nanometers.

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[0023]

An "image nanoparticle" as used herein refers to a nanoparticle that has high optical density. Image nanoparticles may be made of metals such as gold, silver, nickel, lead, copper or platinum, or a metal precursor such as gold, silver, nickel, lead, copper or a platinum precursor.

Silver ions or atoms as disclosed by Cai are not nanoparticles or image nanoparticles as defined by Applicant; and

c) claims 29-33 depend from allowable claim 28.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEX NOGUEROLA whose telephone number is (571) 272-1343. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, NAM NGUYEN can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 1700

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Alex Noguerola/ Primary Examiner, Art Unit 1795 April 22, 2008